

	Carry Forward	FY 2017
Revenue Sources		
General Obligation Bonds	112,737,137	0
Total Revenues	112,737,137	0
Expenditure Types		
Engineering - Architecture	17,698,118	0
Land Acquisition	2,385,886	0
Contract Construction	92,653,133	0
Total Expenditures	112,737,137	0

CIP 2017 DIVISION SUMMARY

STORM WATER FUND

	Carry Forward	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
Revenue Sources							
General Obligation Bonds	112,737,137	0	600,000	1,300,000	1,300,000	1,200,000	117,137,137
Total Revenues	112,737,137	0	600,000	1,300,000	1,300,000	1,200,000	117,137,137
Expenditure Types							
Engineering - Architecture	17,698,118	0	100,000	200,000	200,000	100,000	18,298,118
Land Acquisition	2,385,886	0	0	0	0	0	2,385,886
Contract Construction	92,653,133	0	500,000	1,100,000	1,100,000	1,100,000	96,453,133
Total Expenditures	112,737,137	0	600,000	1,300,000	1,300,000	1,200,000	117,137,137

CIP SUMMARY BY PROJECT

STORM WATER FUND

Division Priority	Project Number	Project Name	Carry Forward	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
1	ST17100	FY'17 Drainage ST Coverline	37,703,435	0	0	0	0	0	37,703,435
2	ST17500	FY'17 Major Drain Rehab Cover	27,832,577	0	0	0	0	0	27,832,577
3	ST04041	Environmental Permitting - ST	1,991,987	0	0	50,000	50,000	50,000	2,141,987
4	ST17400	FY'17 Bridge Repair Coverline	4,189,049	0	0	0	0	0	4,189,049
5	ST17300	FY'17 Flood Control Coverline	6,366,969	0	600,000	1,100,000	1,100,000	1,000,000	10,166,969
6	ST04038	Stormwater Pollution - ST	12,100,000	0	0	150,000	150,000	150,000	12,550,000
7	ST17600	FY'17 Curb & Gutter Coverline	5,751,838	0	0	0	0	0	5,751,838
8	ST03111	Airways over Nonconnah	8,810,027	0	0	0	0	0	8,810,027
9	ST01089	Bartlett Rd/Fletcher - ST	6,138,960	0	0	0	0	0	6,138,960
10	ST03084	Watkins Storm Water	852,295	0	0	0	0	0	852,295
11	ST17200	FY'17 Sub Drain ST Coverline	1,000,000	0	0	0	0	0	1,000,000
Total			112,737,137	0	600,000	1,300,000	1,300,000	1,200,000	117,137,137



Project Name FY'17 Drainage ST Coverline

Project Number ST17100

Division Priority 1

Project Description / Justification:

This project carry forward the FY16 allocation for improvements to existing drainage system throughout the City. All Carry Forward dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have identified as needed by Public Works or Engineering.

Operating Budget Impact:

None.

Project Detail - 5 Year Summary

	Carry Forward	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
Revenue Sources							
General Obligation Bonds	37,703,435	0	0	0	0	0	37,703,435
Total Revenues	37,703,435	0	0	0	0	0	37,703,435
Expenditure Types							
Engineering - Architecture	9,206,913	0	0	0	0	0	9,206,913
Land Acquisition	1,885,886	0	0	0	0	0	1,885,886
Contract Construction	26,610,636	0	0	0	0	0	26,610,636
Total Expenditures	37,703,435	0	0	0	0	0	37,703,435

Project Name FY'17 Major Drain Rehab Cover

Project Number ST17500

Division Priority 2

Project Description / Justification:

This project will provide funding for Major Drainage Rehabilitation that includes the improvement or replacement of major drainage infrastructure throughout the City of Memphis. All carry forward dollars are planned expenditures toward either projects approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering. Carry Forward FY16 allocations.

Operating Budget Impact:

None.

Project Detail - 5 Year Summary

	Carry Forward	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
Revenue Sources							
General Obligation Bonds	27,832,577	0	0	0	0	0	27,832,577
Total Revenues	27,832,577	0	0	0	0	0	27,832,577
Expenditure Types							
Engineering - Architecture	2,284,781	0	0	0	0	0	2,284,781
Contract Construction	25,547,796	0	0	0	0	0	27,547,796
Total Expenditures	27,832,577	0	0	0	0	0	27,832,577

Project Name Environmental Permitting - ST

Project Number ST04041

Division Priority 3

Project Description / Justification:

This project carry forward the FY2016 allocations for the expenses associated with the Tennessee Department of Environment and Conservation permitting and environmental mitigation requirements for various City capital improvement projects. All Carry Forward dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None

Project Detail - 5 Year Summary

	Carry Forward	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
Revenue Sources							
General Obligation Bonds	1,991,987	0	0	50,000	50,000	50,000	2,141,987
Total Revenues	1,991,987	0	0	50,000	50,000	50,000	2,141,987
Expenditure Types							
Engineering - Architecture	1,991,987	0	0	50,000	50,000	50,000	2,141,987
Total Expenditures	1,991,987	0	0	50,000	50,000	50,000	2,141,987

Project Name FY'17 Bridge Repair Coverline

Project Number ST17400

Division Priority 4

Project Description / Justification:

This project carry forward the FY2016 allocation for storm water related repairs and improvements to the City's 350 existing bridges. Two to three major projects and several smaller projects are expected each year. The types of projects anticipated include channel improvements to enhance storm water flow, rip rap placement and scour protection. All Carry Forward dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None.

Project Detail - 5 Year Summary

	Carry Forward	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
Revenue Sources							
General Obligation Bonds	4,189,049	0	0	0	0	0	4,189,049
Total Revenues	4,189,049	0	0	0	0	0	4,189,049
Expenditure Types							
Engineering - Architecture	507,052	0	0	0	0	0	507,052
Contract Construction	3,681,997	0	0	0	0	0	3,681,997
Total Expenditures	4,189,049	0	0	0	0	0	4,189,049

Project Name FY'17 Flood Control Coverline

Project Number ST17300

Division Priority 5

Project Description / Justification:

This project carry forward the FY2016 allocation for the rehabilitation of existing flood control pumping stations. All Carry Forward dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None.

Project Detail - 5 Year Summary

	Carry Forward	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
Revenue Sources							
General Obligation Bonds	6,366,969	0	600,000	1,100,000	1,100,000	1,000,000	10,166,969
Total Revenues	6,366,969	0	600,000	1,100,000	1,100,000	1,000,000	10,166,969
Expenditure Types							
Engineering - Architecture	100,000	0	100,000	100,000	100,000	0	400,000
Contract Construction	6,266,969	0	500,000	1,000,000	1,000,000	1,000,000	9,766,969
Total Expenditures	6,366,969	0	600,000	1,100,000	1,100,000	1,000,000	10,166,969

Project Name Stormwater Pollution - ST

Project Number ST04038

Division Priority 6

Project Description / Justification:

This project carry forward the FY2016 allocations for the construction of stormwater pollution treatment units such as screens, retention ponds, and clarifiers on various storm drains as required by EPA. All Carry Forward dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None

Project Detail - 5 Year Summary

	Carry Forward	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
Revenue Sources							
General Obligation Bonds	12,100,000	0	0	150,000	150,000	150,000	12,550,000
Total Revenues	12,100,000	0	0	150,000	150,000	150,000	12,550,000
Expenditure Types							
Engineering - Architecture	1,850,000	0	0	50,000	50,000	50,000	2,000,000
Contract Construction	10,250,000	0	0	100,000	100,000	100,000	10,550,000
Total Expenditures	12,100,000	0	0	150,000	150,000	150,000	12,550,000

Project Name FY'17 Curb & Gutter Coverline

Project Number ST17600

Division Priority 7

Project Description / Justification:

This project carry forward the FY2016 allocation for the repair and replacement of curbs and gutters throughout the City. All Carry Forward dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None.

Project Detail - 5 Year Summary

	Carry Forward	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
Revenue Sources							
General Obligation Bonds	5,751,838	0	0	0	0	0	5,751,838
Total Revenues	5,751,838	0	0	0	0	0	5,751,838
Expenditure Types							
Contract Construction	5,751,838	0	0	0	0	0	5,751,838
Total Expenditures	5,751,838	0	0	0	0	0	5,751,838

Project Name Airways over Nonconnah

Project Number ST03111

Division Priority 8

Project Description / Justification:

This project carry forward FY16 allocation to replace the existing Airways Bridge over Nonconnah Creek which the State has determined to have structural deficiencies due to stream channel degradation. All Carry Forward dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None.

Project Detail - 5 Year Summary

	Carry Forward	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
Revenue Sources							
General Obligation Bonds	8,810,027	0	0	0	0	0	8,810,027
Total Revenues	8,810,027	0	0	0	0	0	8,810,027
Expenditure Types							
Engineering - Architecture	517,130	0	0	0	0	0	517,130
Contract Construction	8,292,897	0	0	0	0	0	8,292,897
Total Expenditures	8,810,027	0	0	0	0	0	8,810,027

CIP 2017 DETAIL BY PROJECT

STORM WATER FUND

Project Name Bartlett Rd/Fletcher - ST

Project Number ST01089

Division Priority 9

Project Description / Justification:

This project carry forward the FY2016 allocation for improvements to Bartlett Road that creates a three-lane roadway. This is due in large part to the recent widening of Raleigh LaGrange Road and the scheduled widening of Summer Avenue by TDOT, which is expected to create an increase in traffic on Bartlett Road. The bridge near Fletcher Creek is also in need of replacement. Adjustments to the channel are required to conform to Fletcher Creek Storm Water Project which begin in FY 2013. All Carry Forward dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None

Project Detail - 5 Year Summary

	Carry Forward	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
Revenue Sources							
General Obligation Bonds	6,138,960	0	0	0	0	0	6,138,960
Total Revenues	6,138,960	0	0	0	0	0	6,138,960
Expenditure Types							
Engineering - Architecture	638,960	0	0	0	0	0	638,960
Land Acquisition	500,000	0	0	0	0	0	500,000
Contract Construction	5,000,000	0	0	0	0	0	5,000,000
Total Expenditures	6,138,960	0	0	0	0	0	6,138,960



Project Name Watkins Storm Water

Project Number ST03084

Division Priority 10

Project Description / Justification:

This project carry forward the FY2016 allocation for the replacement of Watkins Bridge over Cypress Creek. The existing bridge has been rated "Scour Critical" by the State. The channel has degraded significantly over the years threatening the bridge piers and the embankments are failing. The replacement bridge will span the creek without piers in the channel which impede storm water flow. All Carry Forward dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None

Project Detail - 5 Year Summary

	Carry Forward	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
Revenue Sources							
General Obligation Bonds	852,295	0	0	0	0	0	852,295
Total Revenues	852,295	0	0	0	0	0	852,295
Expenditure Types							
Engineering - Architecture	452,295	0	0	0	0	0	452,295
Contract Construction	400,000	0	0	0	0	0	400,000
Total Expenditures	852,295	0	0	0	0	0	852,295

Project Name FY'17 Sub Drain ST Coverline

Project Number ST17200

Division Priority 11

Project Description / Justification:

This project carry forward the FY2016 allocation for drainage projects in new developments. The developer is responsible for the coats of the first 100 square feet of any cross-sectional area of a drainage ditch. Any cost beyond the 100 square feet are covered by the City through this project. All Carry Forward dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None.

Project Detail - 5 Year Summary

	Carry Forward	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
Revenue Sources							
General Obligation Bonds	1,000,000	0	0	0	0	0	1,000,000
Total Revenues	1,000,000	0	0	0	0	0	1,000,000
Expenditure Types							
Engineering - Architecture	149,000	0	0	0	0	0	149,000
Contract Construction	851,000	0	0	0	0	0	851,000
Total Expenditures	1,000,000	0	0	0	0	0	1,000,000